

FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJDAPPLICATION NO.
09/732,914APPLICANT
CHEO et al.FILING DATE
December 11, 2000GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE4	5,093,257	03/03/1992	Gray, G.L.			11/01/1989
	AF4	5,159,062	10/27/1992	Knapp et al.			01/19/1990
	AG4	5,286,632	02/15/1994	Jones, D.H.			01/09/1991
	AH4	5,605,793	02/25/1997	Stemmer, W.P.C.			02/17/1994
	AI4	5,650,308	07/22/1997	Baum, J.A.			06/07/1995
	AJ4	5,728,551	03/17/1998	Devine et al.			03/02/1995
	AK4	5,981,177	11/09/1999	Demirjian et al.			01/25/1995

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP4	WO 90/11375	10/04/1990	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>82</u>	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," <i>Plant J.</i> 7:649-659, BIOS Scientific Publishers (1995).
AS	<u>82</u>	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," <i>Biotechnology (NY)</i> 2:1045-1049, Nature Publishing Co. (1984).
AT	<u>82</u>	Bernard, P., et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press Ltd. (1993).

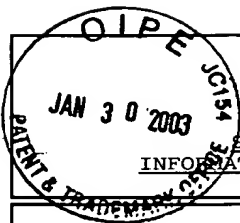
EXAMINER

V. KETTER

DATE CONSIDERED

2/24/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5010002/RWE/BJD

APPLICATION NO.
09/732,914

APPLICANT
CHEO et al.

FILING DATE
December 11, 2000

GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
JH	AA5	6,080,576	06/27/2000	Zambrowicz et al.			04/08/1998
	AB5	6,143,557	11/07/2000	Hartley et al.			01/20/1999
	AC5	6,270,969 B1	08/07/2001	Hartley et al.			01/20/1999
	AD5	6,361,972 B1	03/26/2002	Harrington et al.			01/10/2000
	AE5	6,410,266 B1	06/25/2002	Harrington et al.			01/07/2000
	AF5	6,410,317 B1	06/25/2002	Farmer, A.A.			07/14/2000
	AG5	6,436,707 B1	08/20/2002	Zambrowicz et al.			03/25/1999
AI							
AI							
AJ							
AK							

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
JH	AL5	WO 92/22650	12/23/1992	WIPO			Yes No
	AM5	WO 94/03624	02/17/1994	WIPO			Yes No
	AN5	WO 94/09127	04/28/1994	WIPO			Yes No
	AO5	WO 96/40724	12/19/1996	WIPO			Yes No
	AP5	WO 98/53056	11/26/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JH	AR	83	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," <i>Proc. Natl. Acad. Sci. USA</i> 88:936-940, National Academy of Sciences (1991).
	AS	83	Dale, E.C., and Ow, D.W., "Mutations in the Cre/Lox Recombination Site Enhance the Stability of Recombination Products; Applications for Gene Targeting in Plants," <i>J. Cell. Biochem. 16 (Supplement F):206</i> , Abstract No. Y108, Wiley-Liss (1991).
	AT	83	Davies, J., and Riechmann, L., "An antibody VH domain with a lox-Cre site integrated into its coding region: bacterial recombination within a single polypeptide chain," <i>FEBS Lett.</i> 377:92-96, Federation of European Biochemical Societies (1995).

EXAMINER

J. KETTER

DATE CONSIDERED

3/4/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

ATTY. DOCKET NO.
0942.5010002/RWE/BJDAPPLICATION NO.
09/732,914SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTAPPLICANT
CHEO et al.FILING DATE
December 11, 2000GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL6	WO 99/21977	05/06/1999	WIPO			Yes No
	AM6	WO 99/25851	05/27/1999	WIPO			Yes No
	AN6	WO 99/55851	11/04/1999	WIPO			Yes No
	AO6	WO 00/60091	10/12/2000	WIPO			Yes No
	AP6	WO 01/05961 A1	01/25/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>84</u>	Hall, R.M., and Collis, C.M., "Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination," <i>Mol. Microbiol.</i> 15:593-600, Blackwell Scientific Publications (1995).
	AS	<u>84</u>	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Mol. Biol.</i> 16:369-371, Kluwer Academic Publishers (1991).
	AT	<u>84</u>	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984).

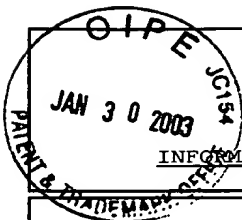
EXAMINER

J. KETTER

DATE CONSIDERED

2/4/03

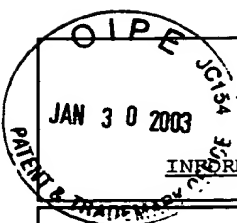
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



TECH CENTER 1600/2800

FEB 3 2003

RECEIVED



FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5010002/RWE/BJD

APPLICATION NO.
09/732,914

APPLICANT
CHEO et al.

FILING DATE
December 11, 2000

GROUP
1636

RECEIVED
FEB 08 2003
TECH CENTER 16002800

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL7	WO 01/07572 A2	02/01/2001	WIPO			Yes No
	AM7	WO 01/11058 A1	02/15/2001	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>85</u>	Iida, S., et al., "A site-specific, conservative recombination system carried by bacteriophage P1. Mapping the recombinase gene cin and the cross-over sites cix for the inversion of the C segment," <i>EMBO J.</i> 1:1445-1453, IRL Press Limited (1982).
	AS	<u>85</u>	Krafte, D.S., et al., "Stable Expression and Functional Characterization of a Human Cardiac Na ⁺ Channel Gene in Mammalian Cells," <i>J. Mol. Cell. Cardiol.</i> 27:823-830, Academic Press Limited (1995).
	AT	<u>85</u>	Lee, G., and Saito, I., "Role of nucleotide sequences of loxP spacer region in Cre-mediated recombination," <i>Gene</i> 216:55-65, Elsevier Science B.V. (August 1998).

EXAMINER

J. KETTER

DATE CONSIDERED

3/4/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JAN 30 2003

FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5010002/RWE/BJDAPPLICATION NO.
09/732,914APPLICANT
CHEO *et al.*FILING DATE
December 11, 2000GROUP
1636

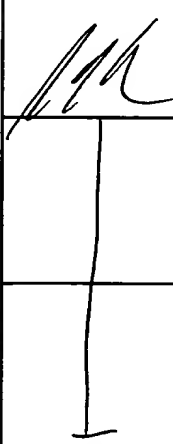
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>86</u>	Mahillon, J., <i>et al.</i> , "Subdivision of the <i>Escherichia coli</i> K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," <i>Gene</i> 223:47-54, Elsevier Science B.V. (November 1998).
	AS	<u>86</u>	Nagy, A., "Cre Recombinase: The Universal Reagent for Genome Tailoring," <i>Genesis</i> 26:99-109, Wiley-Liss, Inc. (2000).
	AT	<u>86</u>	Qin, M., <i>et al.</i> , "Cre recombinase-mediated site-specific recombination between plant chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 91:1706-1710, National Academy of Sciences (1994).

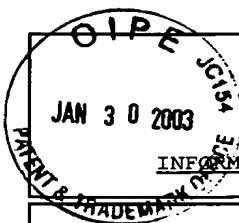
EXAMINER

J. Kotten

DATE CONSIDERED

3/4/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5010002/RWE/BJD

APPLICATION NO.
09/732,914

APPLICANT
CHEO et al.

FILING DATE
December 11, 2000

GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>87</u>	Sauer, B., et al., "Construction of Isogenic Cell Lines Expressing Human and Rat Angiotensin II AT ₁ Receptors by Cre-Mediated Site-Specific Recombination," <i>Methods</i> 4:143-149, Academic Press, Inc. (1992).
	AS	<u>87</u>	Segall, A.M., et al., "Architectural elements in nucleoprotein complexes: interchangeability of specific and non-specific DNA binding proteins," <i>EMBO J.</i> 13:4536-4548, Oxford University Press (1994).
	AT	<u>87</u>	Venkatesh, T.V., and Radding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination Protein β of Phage λ ," <i>J. Bacteriol.</i> 175:1844-1846, American Society for Microbiology (1993).

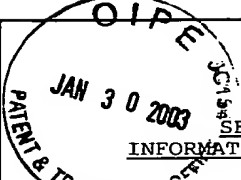
EXAMINER

J. Hutton

DATE CONSIDERED

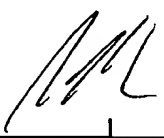

2/4/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

 FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5010002/RWE/BJD	APPLICATION NO. 09/732,914
	APPLICANT CHEO et al.	
	FILING DATE December 11, 2000	GROUP 1636

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>88</u>	Voznyanov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," Nucl. Acids Res. 27:930-941, Oxford University Press (February 1999).
	AS	<u>88</u>	Zahra, D.G., et al., "Selectable in-vivo recombination to increase antibody library size - an improved phage display vector system," Gene 227:49-54, Elsevier Science B.V. (February 1999).
	AT		

EXAMINER <i>J. Hutton</i>	DATE CONSIDERED <i>3/4/02</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	